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By: 

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Stephen R. Quake et al.

Application No.: 09/724,548

Filed: November 28, 2000

For: INTEGRATED ACTIVE FLUX  
MICROFLUIDIC DEVICES AND  
METHODS

Customer No.: 20350

Confirmation No. 8333

Examiner: Brian J. Sines

Technology Center/Art Unit: 1743

AMENDMENT UNDER 37 CFR 1.116

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the final Office Action mailed December 14, 2004, on the above-referenced application, please enter the amendments and remarks below. This amendment is accompanied by a request for continued examination (RCE), a to-month extension of time to response, and a supplemental information disclosure statement.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 11 of this paper.